UNITED STATES PATENT AND TRADEMARK OFFICE

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10/627,328	07/25/2003	James P. Richmond	ENB-009RCE	2279

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EXAMINER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *23 July 2009*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-44* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-44* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *25 July 2007* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

BACKGROUND

1.   This Final Office Action is responsive to communications filed 7/23/2009.

2.   Claims 1-44 are pending. Claims 1, 15, 16, 30, 31 and 41-44 are independent in form. Claims 1, 5 ,15-16, 29-31 and 41-44 have been amended.

RESPONSE TO AMENDMENT

3.   Amendments concerning the Examiner's Rejections of claims 1-44 under 35 U.S.C. §102(e) for being anticipated by *Raymond et al.* (US 2002/0161876) have been fully considered but are not persuasive. Therefore, the rejections have been maintained.

CLAIM OBJECTIONS

4.   Claims 15, 41, and 44 are objected to because it appears that the broadest reasonable interpretation of Applicant's *readable medium,* according to applicant's Specification, fairly conveys to one of ordinary skill in the art that the claims are devoid of any physical element (e.g., see applicant's specification [0134]; wherein computer-readable medium may be transportable) . Correction is required.

5.   Claims 12, 28, and 40 are objected to because they contain the following acronym: XML – that should be spelled out. Correction is required.

CLAIM REJECTIONS-35 U.S.C. § 102

6.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. §102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7.   **Claims 1-44** are rejected under 35 U.S.C. §102(e) as being anticipated by *Raymond et al.* (US PG PUB 2002/0161876).

As to independent **claim 1**, *Raymond et al.* describe(s): a method of enabling a user to edit a table defining a view of a network object database including a plurality of network object types representing one or more portions of a plurality of different network device types on a communications network:

> Networked computing environment 100 includes a communications network infrastructure 110 formed of numerous network devices to which is connected customer nodes 120 and a service information portal (SIP) 126 provided by a service provider 130. Network devices include, for example, LANS, routers, bridges, gateways, multiplexers, switches, connectors and the like. These network devices are considered to be well-known in the art and are not described further herein.

(para. [0043]), the method comprising acts of: providing a user interface that enables the user to specify one or more of the plurality of network object types representing one or more portions of the plurality of different network device types on the communications network ("portal view profiles 716 are generated and stored in database 710 a priori. A portal view profile selector 702 receives user ID 712 and selects one portal view profile 716 specifically configured for and /or by the indicated network administrator.," para. [0095]); and in response to the user specifying the

one or more network object types ("...this embodiment in which an intermediate role ID value 714 is utilized provides profile manager 602 with the capability of changing, adding and otherwise editing the assignments between network administrators and portal view profiles 716 as circumstances change....," para. [0097]), editing at least one column of the table to change two or more specified network object types ("The attribute list ("ATTLIST NetworkHealth") for each network health element is specified at lines 8-11 and includes two attributes, one at line 9, the other at line 10. The first attribute indicates whether the referenced network health module is to display the underlying source data extracted from domain managers 224 ("showRawData").," para. [0104]) one or more portions of the plurality of different network device types on the communications network. ("...Each module view window is located within a column as defined by column specification 804 which in turn are included in a sheet as defined in sheet specification 802....," para. [0111]).

As to dependent **claim 2**, which depends from claim 1, *Raymond et al.* further disclose(s): the method of claim 1, wherein the network object database includes a first group of network object types and a second group of network object types ("...components, systems, devices, software, etc....," para. [0056]), wherein the at least one of the network object types belongs to the first group ("...the "General" category...," para. [0074]), wherein act includes providing the user interface to enable the user to specify a second object type belonging to the second group ("...the specified category is "NNM" representing network node manager...," para. [0074]), and the method further comprises: in response to the user specifying the second object type (), editing a second column of the table to represent the second object type ("...object class ...," para. [0161]).

As to dependent **claim 3**, which depends from claim 1, *Raymond et al.* further disclose(s): the method of claim 1, wherein act includes providing the user interface to enable the user to specify the at least one column ("...1104 to generate a module membership edit request 1422 that is received by editor module 1402. In response, editor module 1402 displays a module membership edit display 1422 through editing GUI 1404...," para. [0121]).

As to dependent **claim 4**, which depends from claim 1, *Raymond et al.* further disclose(s): the method of claim 1, wherein the network object database is a Management Information Base ("...For example, in one embodiment, customer databases 608 includes a data repository of management information generated by proprietary tools not shown in the figures. Instruction databases 208 are repositories of instructional management information. Instruction databases 215 include, for example, specific or detailed instructions regarding how to interpret management information generated by a particular network entity....," para. [0058]).

As to dependent **claim 5**, which depends from claim 1, *Raymond et al.* further disclose(s): the method of claim 1, wherein act includes providing the user interface to enable the user to specify a first of the plurality of network object types ("...The first attribute specifies the ID ...," para. [0105]), the method further comprising acts of: determining whether the first network object type is an indexed network object type (); if the first network object type is an indexed network object type (), detemaining an indexing variable for the first network object type ("...delete the contents of portal view profile database 710...," para. [0099]); and determining whether the indexing variable determined for the first network object type is compatible with an indexing variable being used for the table ("...should be appreciated that each such component corresponds with an SNMP variable...," para. [0149]), wherein (), act includes

editing the at least one column based at least in part on results of act ("...Network Sheet 1202A is divided into two columns, a left column 1204 and a right column 1206. The attributes to establish this column arrangement are provided at lines 10 (FIG. 10A), lines 100-101 (FIG. 10D) and line 129 (FIG. 10E). In this example, the first column is a narrow column, defined at line 10 ("< Column width="narrow">"). This column includes the module view windows for each portal data miner module 204 referenced between lines 10 and 100. The second column is a wide column, defined at line 101 ("< Column width="wide">"). This column includes the module view windows for each portal data miner module 204 referenced between lines 101 and 129. The same arrangement is presented for the Services Sheet (FIG. 12C) as shown at lines 132 (FIG. 10E), 166-167 (FIG. 10F) and line 185 (FIG. 10G)....," para. [0142]).

As to dependent **claim 6**, which depends from claim 5, *Raymond et al.* further disclose(s): the method of claim 5, wherein act includes determining that the indexing variable of the first network object type is not compatible with the indexing variable being used for the table ("...The second attribute indicates whether the referenced network health module is to include in its determination unknown source data ("shownUnknown")....," para. [0104]), and the method further comprises: preventing an editing of a column to represent the first network object type based on the results of act ("...The second attribute indicates whether the referenced network health module is to include in its determination unknown source data ("shownUnknown")....," para. [0104]).

As to dependent **claim 7**, which depends from claim 5, *Raymond et al.* further disclose(s): the method of claim 5, wherein the method further comprises an act of: providing a compatibility table (), the compatibility table including one or more entries (), each entry

corresponding to an indexing variable and storing a compatibility value mapped to the indexing variable corresponding to the entry ("...In such an embodiment, portal view profile manager 602 includes a mapping lookup table (LUT) 708 that includes mappings between user ID 712 and role identifiers (II)s)...," para. [0097]), wherein act further comprises (), accessing an entry of the compatibility table corresponding to the indexing variable of the first network object type and retrieving the compatibility value stored therein ("...ID 712 and retrieves the associated role ID...," para. [0097]), accessing an entry of the compatibility table corresponding to the indexing variable being used by the table retrieving the compatibility value stored therein ("...Simple Network Management Protocol ...," para. [0046]), and comparing the retrieved compatibility values to determine whether the compatibility values are equal ("...type of modification is determined at block 1906...," para. [0132]).

As to dependent **claim 8**, which depends from claim 1, *Raymond et al.* further disclose(s): the method of claim 1, further comprising: for the at least one column (), generating request information for retrieving objects of the at least one network object type represented by the at least one column ("...These components may be attributes, for which the attribute values are provided in registration file 308, or files, for which the path is identified in registration file 308. Upon system start-up, module manager 300 retrieves each registration file 308 from registry 302 and verifies that it complies with the specification file 308....," para. [0067]); and generating a document that includes a definition of the table and the generated request information for the at least one column ("...As shown in FIG. 3A, module manager 300 receives a module ID 310 from portal view management system 208 and, if the registration file 308 was determined to be valid,

returns a pointer 312 to the referenced portal data miner module 204 in local memory....," para. [0084]).

As to dependent **claim 9**, which depends from claim 8, *Raymond et al.* further disclose(s): the method of claim 8, further comprising: providing the document to one or more network devices on a network ("...In response to this command, display module 1102 generates a drill down request signal 1110 that causes the network health portal module 204 to generate the detailed display 1112...," para. [0151]).

As to dependent **claim 10**, which depends from claim 9, *Raymond et al.* further disclose(s): the method of claim 9, wherein act comprises providing the document to at least one of the network devices using electronic mail ("...The network services may include Internet services, electronic mail (e-mail) services,...," para. [0045]).

As to dependent **claim 11**, which depends from claim 8, *Raymond et al.* further disclose(s): the method of claim 8, wherein act includes configuring the request information in accordance with Simple Network Management Protocol ("...Simple Network Management Protocol (SNMP), ...," para. [0046]).

s to dependent **claim 12**, which depends from claim 8, *Raymond et al.* further disclose(s): the method of claim 8, wherein act includes formatting the document in accordance with a markup language ("...A network administrator's graphical selection of the help icon will invoke the referenced HTML help file, as described below....," para. [0079]).

As to dependent **claim 13**, which depends from claim 12, *Raymond et al.* further disclose(s): the method of claim 12, wherein act includes formatting the document in accordance

with XML ("...This default configuration file is an XML file as the attribute name implies. In the network health registration file 500, this attribute value is set forth on lines 28-30 as "defaults/OVDefaultNetHeal- th.xml"....," para. [0081]).

As to dependent **claim 14**, which depends from claim 1, *Raymond et al.* further disclose(s): the method of claim 1, wherein act comprises: providing a graphical user interface to enable the user to select from among the plurality of network object types ("...for consideration and interaction by the network administrator. The user interface 128 can include a video display screen keyboard, mouse, printer, etc., and provides all types of interactions with a network administrator. The user interface 128 controls the screen, keyboard, mouse and pointer and provides the user with a view of network system 100 that is being managed....," para. [0047]).

As to independent **claim 15**, this claim differs from claim 1 only in that it is directed to a product defined by same the process of claim 1. Accordingly, this claim is rejected for the same reasons set forth in the treatment of claim 1.

As to dependent claims **16-29**, these claims are substantially identical to claim 1-14, respectively. Accordingly, these claims are rejected for the same reasons set forth in the treatment of claims 1-14.

As to claims **30-44**, these claims are also substantially identical to claims 1-14, respectively. Accordingly, these claims are rejected for the same reasons set forth in the treatment of claims 1-14

RESPONSE TO ARGUMENTS

8.   Applicant arguments, see pp. 11-18, with respect to the 35 U.S.C. §102 Rejections

cited by the Examiner in the previous Office Action (Mail dated: 2/23/2009), have been fully

considered but are not persuasive. Therefore, the rejection(s) have been maintained.

I.   <u>Applicant's arguments (*see* p.12) emphasize:</u>

> Applicants respectfully submit that Raymond does not disclose or suggest
> in response to the user specifying the one or more network object types
> representing one or more portions of the plurality of different network
> device types on the communications network, editing at least one column
> of the table to change two or more of the specified network object types
> representing one or more portions of the plurality of different network
> device types on the communications network, which is present in
> independent claim 1.

The Examiner respectfully points to the following disclosure:

> Networked computing environment 100 includes a communications
> network infrastructure 110 formed of numerous network devices to which
> is connected customer nodes 120 and a service information portal (SIP)
> 126 provided by a service provider 130. Network devices include, for
> example, LANS, routers, bridges, gateways, multiplexers, switches,
> connectors and the like. These network devices are considered to be well-
> known in the art and are not described further herein.

(para. [0043]).

II.   <u>Applicant's arguments (*see* p. 13) further aver:</u>

> Raymond does not allow a user to edit at least one column of a table to
> change two or more of the specified network object types representing one
> or more portions of the plurality of different network device types on the
> communications network.

The Examiner respectfully points to the following disclosure:

> Network health element specification 904 begins at line 7 of specification
> file 900. line 7 indicates that each network health element ("ELEMENT
> NetworkHealth") includes many summary elements ("Summary+). The
> attribute list ("ATTLIST NetworkHealth") for each network health
> element is specified at lines 8-11 and includes two attributes, one at line 9,
> the other at line 10. The first attribute indicates whether the referenced
> network health module is to display the underlying source data extracted
> from domain managers 224 ("showRawData").

(para. [0104]).

9.   Applicant's remaining arguments with respect to the claims have been addressed

by the rejections cited above.

CONCLUSION

10.   All prior art made of record in this Office Action or as cited on form PTO-892

notwithstanding being relied upon, is considered pertinent to applicant's disclosure. Therefore,

Applicant is required under 37 CFR §1.111(c) to consider these references fully when

responding to this Office Action:

> [1]   Poulin (US 20020174107 A1) for teaching a method of performing transactions
> over an electronic network by defining data entries for objects represented in the network
> the data entries including metadata represented as a web-readable document for an object
> and the entries including a keyword that represents network information or user process
> information related to the object and associating an object file with an entry that
> corresponds to the object being represented.

> [2]   Hasan et al. (US 20030028624 A1) for teaching a virtual management system
> for a network facility having a plurality of components which can be organized as objects
> for presentation in a virtualized environment.

> [3]   Gieseke et al. (US 20030074430 A1) for teaching a provisioning server object
> model and method that manages configuration and tasking of devices, elements, or links
> of networks and utilizes an object oriented design and object cache that allows the
> provisioning server to generate configuration responses for network elements, command
> lists, network state, and import and export configuration information.

> [4]   Low (US 20030101251 A1) for teaching a system and method providing a
> flexible and customizable element management system (EMS) through the use of
> Universal Modeling Language (UML) models for each of the elements of the EMS.

[5] Hasan et al. (US 20030110262 A1) for teaching a network service administration system including service and address objects with a configuration application for a multifunction appliance running on a client computer coupled to the appliance via a network and allowing subscribers to configure at least a subset of application content services provided by the appliance with a rule set based on changes to configurations of any other of the application content services.

[6] Brinkmoeller et al. (US 20030131014 A1) for teaching processing data objects having data items by classifying each data object and storing write-enabled data objects in a database, and archiving read-only data objects. The archiving includes converting the data objects to markup objects, wherein each markup object represents the data items of the corresponding data object, concatenating the markup objects to a single data structure that is byte addressable, and indexing object identification for each markup object to addresses of the data structure.

[7] Hubbard et al. (US 20040088432 A1) for teaching a system and method for managing configuration attribute data associated with storage devices using Extensible Markup Language (XML).

11.   Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samir Termanini whose telephone number is (571) 270-1047. The examiner can normally be reached on 9AM-4PM, Mon.-Fri. (excluding alternating Fridays).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Samir Termanini/
Examiner, Art Unit 2179

/Weilun Lo/
Supervisory Patent Examiner, Art Unit 2179